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Fax 949.362.0290

October 21, 2005

Mr. Jackson Crutsinger
San Bernardino County Fire Dept.
Hazardous Materials Division
620 South E Street
San Bernardino, California 92415

Sent by UPS

Subject: Quarterly Update Report Submittal

Dear Mr. Crutsinger:

On behalf of Atlantic Richfield Company, Delta Environmental Consultants, Inc. is submitting the enclosed Quarterly Site Status Report for the Third Quarter 2005. The enclosed quarterly report was prepared for the following ARCO Facility:

ARCO Facility No.

3081

SBCFD Case No.

93056

Location

12201 Mountain Avenue, Chino

If you have any questions, please contact the undersigned at (949) 860-0212.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.


Paul N. McCarter, P.G.
Project Manager

10-21-05
Date

Enclosure: Atlantic Richfield Company Quarterly Update Report

cc: Mr. Bobby Lu, Atlantic Richfield Company, La Palma, California

ATLANTIC RICHFIELD COMPANY QUARTERLY SOIL VAPOR EXTRACTION REPORT
THIRD QUARTER 2005
OCTOBER 21, 2005

Facility No.: 3081 Address: 12201 Mountain Avenue, Chino, California
Atlantic Richfield Company Environmental Business Manager / Phone No.: Mr. Bobby Lu / (714) 228-6783
Consulting Co. / Contact Person/Phone No.: Delta Environmental / Mr. Paul McCarter (949) 860-0212
Primary Agency / Contact Person/Regulatory ID No.: County of San Bernardino Fire Department (SBCFD) / Mr. Jackson Crutsinger / Case No. 93056
Other Agencies to Receive Copies: NA

WORK PERFORMED THIS QUARTER (Third - 2005):

1. Submitted Quarterly Soil Vapor Extraction Report.
2. Collected soil vapor samples from soil vapor extraction (SVE) wells VEW-2, VEW-5, and BC-1 on August 25, 2005, and subsequently shut SVE system down in accordance with Delta's *Amendment to the Remedial Action Plan*, dated July 29, 2002.
3. Submitted *Summary of Soil Vapor Extraction Activities and Confirmation Soil Boring Proposal*, dated September 20, 2005 to SBCFD.

WORK PROPOSED FOR THE NEXT QUARTER (Fourth - 2005):

1. Complete installation of confirmation soil boring with concurrence of SBCFD.
2. Submit report of results of confirmation soil boring completion.
3. Remove SVE system from site, and submit work plan for well abandonment, if warranted.
4. Submit Quarterly Site Status Report.

Current Phase of Project: Remediation
Frequency of Sampling: Air – Monthly
Frequency of Monitoring: Air – Weekly
Permits for Discharge (No.): SCAQMD #F58869
Approx. Depth to Groundwater: NA Measured Estimated
Groundwater Gradient: NA (Magnitude) East (Direction)

DISCUSSION:

The SVE system operated from July 14 to July 21, 2005. It was restarted on July 25, 2005 and operated continuously through August 25, 2005 when soil vapor samples were collected and the system was shut down in accordance with Delta's *Amendment to Remedial Action Plan*, dated July 29, 2002.

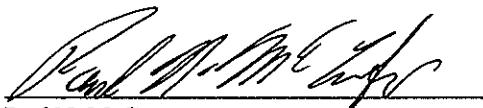
The site is underlain primarily by silty sands with minor interbedded sand and sandy silt. Depth to groundwater at the site has not been determined. Soil vapor data indicate that there is no significant hydrocarbon mass in the subsurface soils.

ATTACHMENTS: Figure 1 - Site Location Map
Figure 2 - Site Map
Remedial System Summary (Attachment A)

If you have any questions or comments concerning this correspondence, please contact Paul McCarter (949) 860-0212.

Reported and signed by,

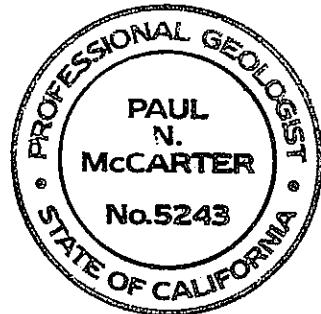
DELTA ENVIRONMENTAL CONSULTANTS, INC.

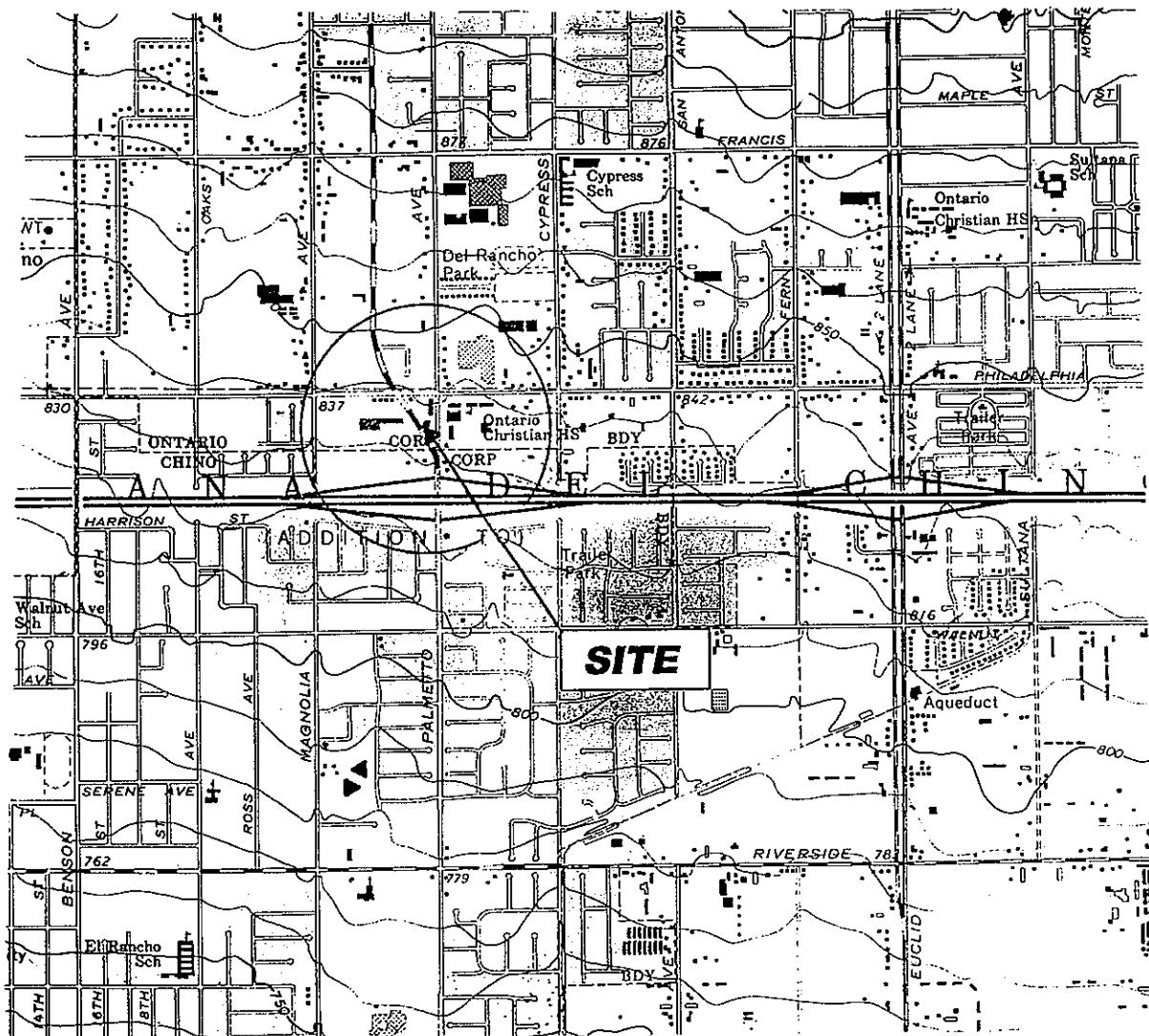


Paul N. McCarter
Project Manager
California Professional Geologist No. 5243

10-21-05

Date





GENERAL NOTES:

BASE MAP FROM U.S.G.S. 1967
ONTARIO QUADRANGLE
CHINO, CA
7.5 MINUTE TOPOGRAPHIC MAP
PHOTOREVISED 1981

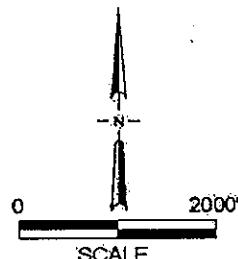


FIGURE 1		
SITE LOCATION MAP		
ARCO FACILITY NO. 3081		
12201 MOUNTAIN AVENUE		
CHINO, CA		
PROJECT NO. AM00-807	DRAWN BY	
FILE NO. SLM 1	PREPARED BY	C. OTA
DATE 6/24/02	REV.	REVIEWED BY

Delta
Environmental
Consultants, Inc.

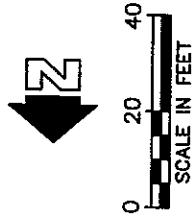
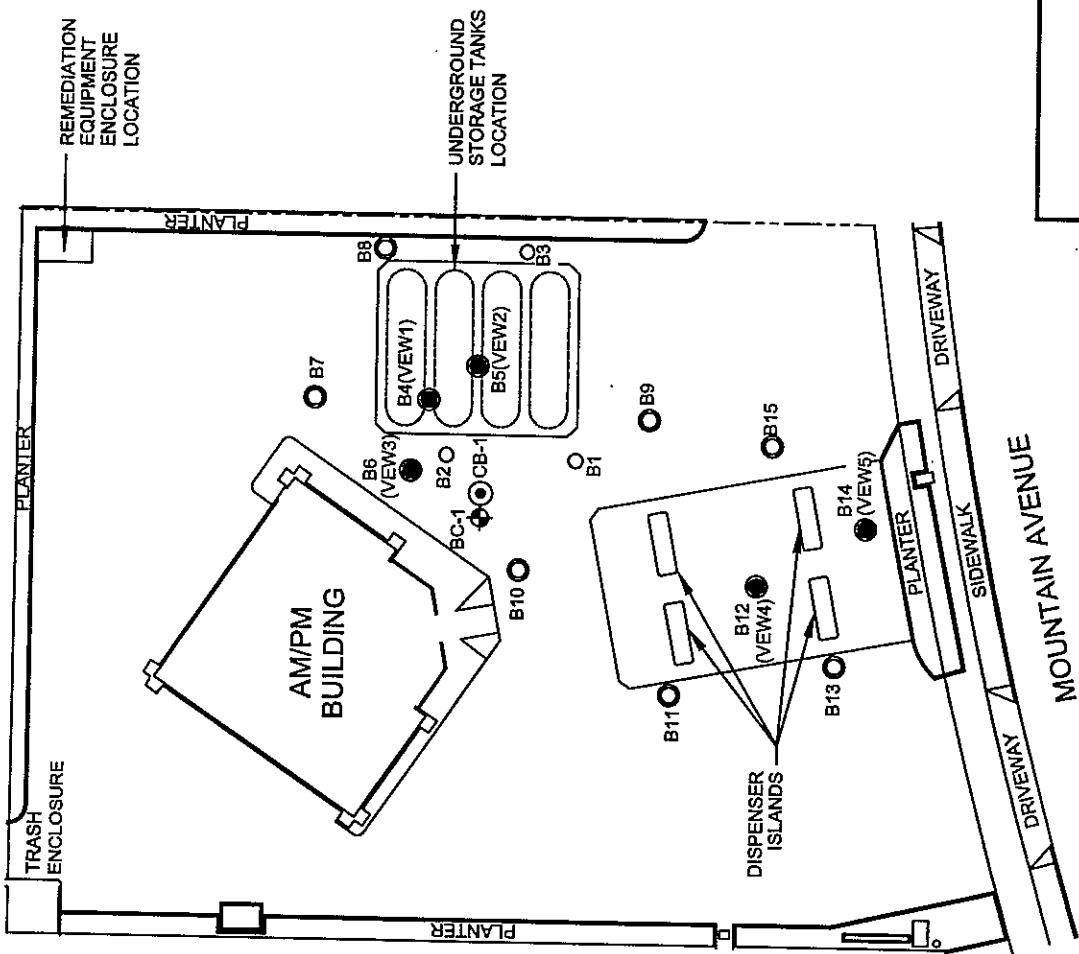


FIGURE 2
SITE MAP
ARCO FACILITY NO. 3081
12201 MOUNTAIN AVENUE
CHINO, CA.

LEGEND

- (○) PROPOSED CONFIRMATION BORING LOCATION
- (◆) VADOSE BORING LOCATIONS (BROWN AND CALDWELL, 6/93)
- (○) SOIL BORING LOCATIONS (W.W. IRWIN, 8/93)
- (○) SOIL BORING LOCATIONS (W.W. IRWIN, 5/94)
- (●) VAPOR EXTRACTION WELL LOCATIONS (W.W. IRWIN, 5/94)

Delta
Environmental
Consultants, Inc.

PROJECT NO. GOB6W	DRAWN BY K. MARTIN
FILE NO. AO-807-01	PREPARED BY P. MCCARTER
DATE 19 SEP 05	REV. REVIEWED BY 0

ATTACHMENT A
Remedial System Summary

REMEDIAL SYSTEM SUMMARY – THIRD QUARTER 2005
ARCO FACILITY NO. 3081
12201 MOUNTAIN AVENUE
CHINO, CALIFORNIA

BACKGROUND

Delta Environmental Consultants, Inc. (Delta) started the soil vapor extraction (SVE) system on May 25, 2005. The SVE system extracted soil vapor from wells BC1-D, BC1-M, VEW-1, VEW-2, VEW-3 and VEW-5. An Airex Katox 100 C55 catalytic oxidizer treats the soil vapor and the soil vapor exhaust through the stack of the oxidizer. The South Coast Air Quality Management District (SCAQMD) permit number for this equipment is F58869.

After Delta started the SVE system on May 25, 2005, the SVE system shut down automatically after operating for approximately six hours due to software issues of the programmable logic controller (PLC). Delta did not restart the system in this reporting period in order to re-program the system's PLC. During this reporting period, Delta collected system influent, effluent, and individual well vapor samples on May 25, 2005. Laboratory results indicated volatile fuel hydrocarbons (VFH) concentrations at 2.6 parts per million by volume (ppmv) in the influent vapor samples. The laboratory analysis did not detect VFH concentration above the reporting limit of 2.4 ppmv in all individual well vapor samples. The laboratory analysis also did not detect any benzene and methyl-tert-butyl ether (MTBE) concentrations above the reporting limits of 1.2 ppmv and 2.8 ppmv, respectively, in all vapor samples that Delta collected on May 25, 2005.

ACTIVITIES DURING REPORTING PERIOD (THIRD QUARTER 2005):

The SVE system ran for approximately 92% of the time during the third quarter 2005. Delta collected system influent and effluent vapor samples on July 28 and August 25, 2005. Laboratory results indicated volatile VFH concentrations at 7.1 parts per million by volume (ppmv) in both influent vapor samples. The laboratory analysis did not detect any benzene and MTBE concentrations above the reporting limits of 1.2 ppmv and 2.8 ppmv, respectively, in all vapor samples that Delta collected during the quarter. Delta did not detect benzene in the effluent sample at or above the laboratory reporting limits of 0.059 ppmv.

The SVE system was shut down following sampling of wells BC1-D, VEW-2, and VEW-5. Analytical results indicated concentrations of 6.0, 3.7, and 2.6 ppmv VFH in wells BC1-D, VEW-2, and VEW-5, respectively. MTBE was not detected above the detection limit in any of the wells. System performance data and individual well head data are presented in Tables 1, 2, and 3.

SCAQMD PERMIT ADHERENCE .

The system operated in compliance with SCAQMD requirements during this reporting period.

PROGRESS TOWARDS CLOSURE

Delta will remove the SVE unit from the site pending the results of the completion of the confirmation boring.

(q:\bpwest\soCal\3081\sys_rem_sum.doc)

TABLE 1
SVE SYSTEM PERFORMANCE DATA
ARCO FACILITY NO. 3081
12201 MOUNTAIN AVENUE
CHINO, CALIFORNIA

Date Monitored	SVE System Status	Operating Time (hours)	Percent Operating Time (%)	Total System Flow Rate (cfm) ³ *	Catalyst Temp. (Deg F)	Influent VOC Conc. (PID-ppmv)	Effluent VOC Conc. (PID-ppmv)	Influent VFH Conc. (lab-ppmv)	Effluent VFH Conc. (lab-ppmv)	Estimated MTBE Conc. (ppmv)	Hydrocarbons Removed Daily (lbs)	Hydrocarbons Removed Cum. (lbs)	Comments
25-May-05	Start	0	0	65	676	23	47	2.6	ND<2.8	5.0	ND<0.059	ND<2.8	0
01-Jun-05	Off	6	3	0	NA	NA	NA	NA	NA	NA	NA	NA	0.1
14-Jul-05	On	41	3	72	793	8.8	7.5	NA	NA	NA	NA	NA	0.0
18-Jul-05	On	133	96	41	793	10.1	7.8	NA	NA	NA	NA	NA	0.0
21-Jul-05	On	207	100	22.9	794	6.1	6.0	NA	NA	NA	NA	NA	0.3
25-Jul-05	Restart	223	17	50	762	2.7	2.8	NA	NA	NA	NA	NA	0.4
28-Jul-05	On	297	100	20.8	801	8.6	5.2	7.1	ND<1.2	ND<2.8	5.9	ND<0.059	ND<2.8
04-Aug-05	On	468	100	15.9	764	3.9	4.3	NA	NA	NA	NA	NA	0.9
11-Aug-05	On	635	100	20.8	759	5.9	2.1	NA	NA	NA	NA	NA	1.3
13-Aug-05	On	801	99	24.2	748	1.3	1.3	NA	NA	NA	NA	NA	1.6
25-Aug-05	Off	969	100	26.2	814	1.8	1.8	7.1	ND<1.2	ND<2.8	5.3	ND<0.059	ND<2.8

Notes:

Benzene = Influent Benzene by EPA Method 8260B

Benzene = Effluent Benzene by EPA Method 410A (modified)

cfm = Cubic feet per minute

Conc. = Concentration

Cum. = Cumulative

Deg F = Degrees Fahrenheit

lab-ppmv = Laboratory reported concentration - parts per million by volume

lbs = Pounds

MTBE = Methyl tertiary butyl ether by Environmental Protection Agency Method 8260B

NA = Not applicable/available

ND = Not detected at or above detection limit

PID-ppmv = Field reading - parts per million by volume (by photoionization or flame ionization detector)

SVE = Soil vapor extraction

Temp. = Temperature

VFH = Volatile fuel hydrocarbons by Environmental Protection Agency (EPA) Method 8015 (modified)

VOC = Volatile organic compound

TABLE 2
INDIVIDUAL WELLHEAD CONCENTRATION DATA
ARCO FACILITY NO. 3081
12201 MOUNTAIN AVENUE
CHINO, CALIFORNIA

Monitored Date	BC1-D		VEW-1		VEW-2		VEW-3		VEW-4		VEW-5	
	VOC Conc. (ppmv)	Status (%Open)										
25-May-05	12	100%	4	100%	4	100%	9	100%	NA	NA	4	100%
1-Jun-05	NA	NA										
14-Jul-05	3.7	100%	NA	NA	3.6	100%	NA	NA	NA	NA	27.4	100%
18-Jul-05	6.9	100%	NA	NA	9.4	100%	NA	NA	NA	NA	27.7	100%
21-Jul-05	5.0	100%	NA	NA	6.3	100%	NA	NA	NA	NA	2.9	100%
25-Jul-05	2.2	100%	NA	NA	2.3	100%	NA	NA	NA	NA	2.4	100%
28-Jul-05	3.2	100%	NA	NA	4.3	100%	NA	NA	NA	NA	77.2	100%
4-Aug-05	3.7	100%	NA	NA	4.0	100%	NA	NA	NA	NA	3.4	100%
11-Aug-05	3.5	100%	NA	NA	4.1	100%	NA	NA	NA	NA	0%	100%
18-Aug-05	0.6	100%	NA	NA	0.3	100%	NA	NA	NA	NA	0.0	100%
25-Aug-05	0.5	100%	NA	NA	0.8	100%	NA	NA	NA	NA	0.1	100%

Notes:
 VOC = Volatile organic compound
 Conc. = Concentration
 ppmv = Parts per million by volume
 NA = Not available/applicable/measured

TABLE 3

INDIVIDUAL WELL VAPOR ANALYTICAL DATA
 ARCO FACILITY NO. 3081
 12201 MOUNTAIN AVENUE
 CHINO, CALIFORNIA

Well I.D.	Date Sampled	VFH (ppmv)	B (ppmv)	T (ppmv)	E (ppmv)	X (ppmv)	MTBE (ppmv)	DIPE (ppmv)	ETBE (ppmv)	TAME (ppmv)	TBA (ppmv)	Ethanol (ppmv)
Influent	5/25/2005	2.6	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.3	ND<2.4	ND<2.7	ND<3.3	ND<160	
Influent	7/28/2005	7.1	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.8	NA	NA	NA	
Influent	8/25/2005	7.1	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.8	NA	NA	NA	
BC1-D	5/25/2005	ND>2.4	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
BC1-D	8/25/2005	6.0	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
BC1-M	5/25/2005	ND>2.4	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
VEW-1	5/25/2005	ND>2.4	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
VEW-2	5/25/2005	ND>2.4	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
VEW-2	8/25/2005	3.7	ND<1.2	1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
VEW-3	5/25/2005	ND>2.4	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
VEW-5	5/25/2005	ND>2.4	ND<1.2	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
VEW-5	8/25/2005	2.6	ND<1.2	ND<1.1	ND<0.92	1.9	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
Effluent	5/25/2005	5.0	ND<0.059	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	
Effluent	7/28/2005	5.9	ND<0.059	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	NA	NA	NA	
Effluent	8/25/2005	5.3	ND<0.059	ND<1.1	ND<0.92	ND<1.8	ND<2.8	ND<2.4	ND<2.7	ND<3.3	ND<160	

Notes: VFH = Volatile fuel hydrocarbons by Environmental Protection Agency (EPA) Method 8015

B = Benzene by EPA Method 8260

T = Toluene by EPA Method 8260

E = Ethylbenzene by EPA Method 8260

X = Xylenes by EPA Method 8260

MTBE = Methyl-tert-butyl Ether by EPA Method 8260B

DIPE = Di-isopropyl Ether by EPA Method 8260

ETBE = Ethyl-tert-Butyl Ether by EPA Method 8260

TAME = Tert-Amyl Methyl Ether by EPA Method 8260

TBA = Tertiary Butyl Alcohol by EPA Method 8260

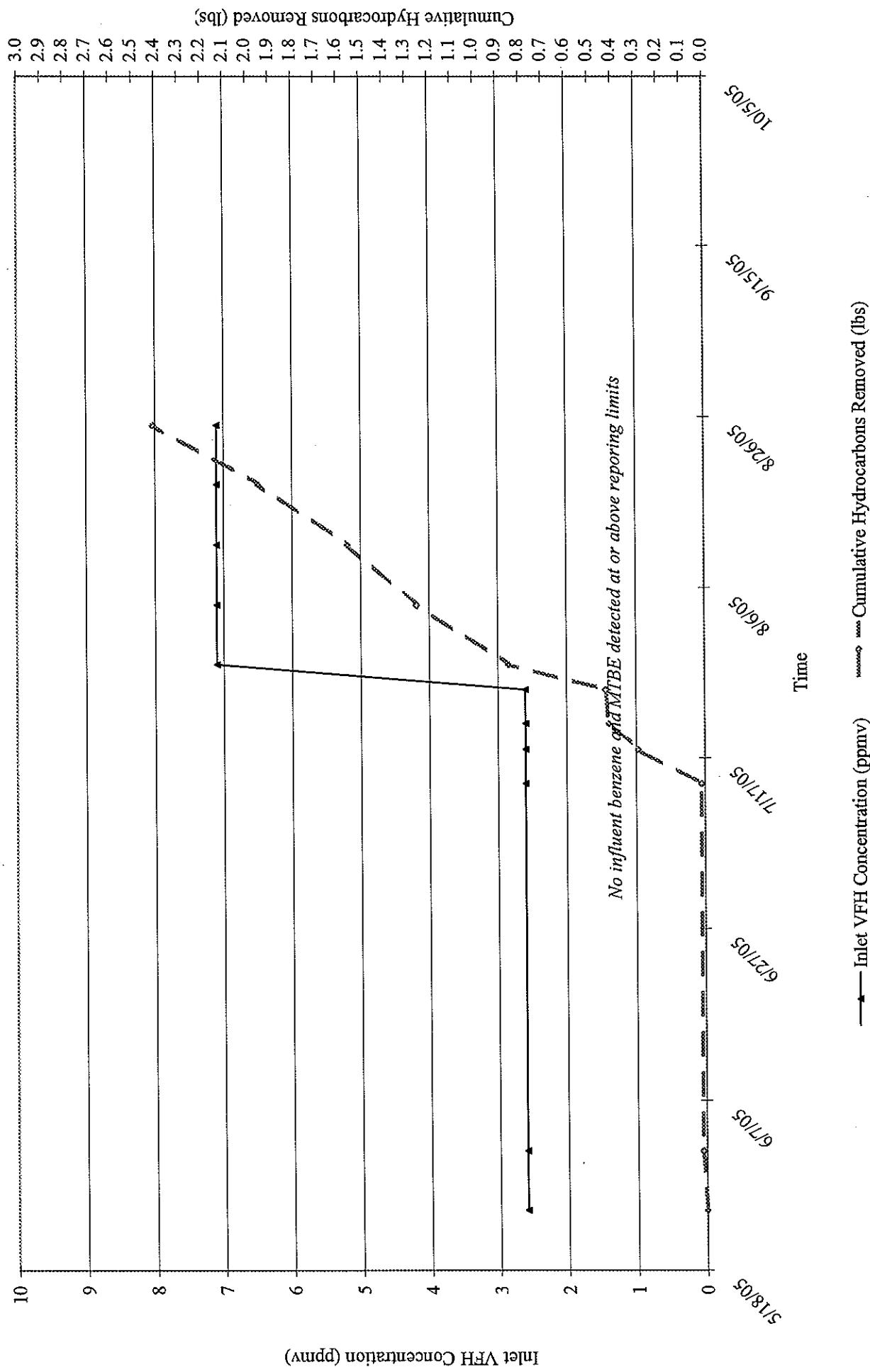
ppmv = Parts per million by volume

ND<1.6 = Not detected at or above stated laboratory reporting limit

NA = Not available

Bold laboratory value denotes concentration that exceeds AQMD permit requirement.

ARCO Facility No. 3081
SVE System Performance
Graph 1





Del Mar Analytical

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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0821
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project: ARCO 3081, Chino

Sampled: 05/25/05
Received: 05/25/05
Issued: 06/06/05 15:37

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IOE1660-01	VEW1	Air
IOE1660-02	VEW2	Air
IOE1660-03	VEW3	Air
IOE1660-04	BC1-M	Air
IOE1660-05	VEW5	Air
IOE1660-06	BC1-D	Air
IOE1660-07	INFLUENT	Air
IOE1660-08	EFFLUENT	Air

Reviewed By:

Del Mar Analytical, Irvine
Pat Abe
Project Manager



Del Mar Analytical

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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Delta Env. Consultants - Aliso Viejo
 27141 Aliso Creek Road, Suite 270
 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05

Received: 05/25/05

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE1660-01 (VEW1 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	ND	1	5/26/2005	5/26/2005	
Sample ID: IOE1660-02 (VEW2 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	ND	1	5/26/2005	5/26/2005	
Sample ID: IOE1660-03 (VEW3 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	ND	1	5/26/2005	5/26/2005	
Sample ID: IOE1660-04 (BC1-M - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	ND	1	5/26/2005	5/26/2005	
Sample ID: IOE1660-05 (VEW5 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	ND	1	5/26/2005	5/26/2005	
Sample ID: IOE1660-06 (BC1-D - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	ND	1	5/26/2005	5/26/2005	
Sample ID: IOE1660-07 (INFLUENT - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	2.6	1	5/26/2005	5/26/2005	
Sample ID: IOE1660-08 (EFFLUENT - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5E26063	2.4	5.0	1	5/26/2005	5/26/2005	

Del Mar Analytical, Irvine
 Pat Abe
 Project Manager

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IOE1660 <Page 2 of 14>



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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05

Received: 05/25/05

BENZENE in AIR (410A MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE1660-08 (EFFLUENT - Air)								
Reporting Units: ppmv								
Benzene	410 A	5E27066	0.059	ND	1	5/27/2005	5/27/2005	

Del Mar Analytical, Irvine
Pat Abe
Project Manager

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IOE1660 <Page 3 of 14>



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 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Delta Env. Consultants - Aliso Viejo
 27141 Aliso Creek Road, Suite 270
 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05
 Received: 05/25/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
---------	--------	-------	-----------------	---------------	-----------------	----------------	---------------	-----------------

Sample ID: IOE1660-01 (VEW1 - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				108 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				102 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				106 %			

Sample ID: IOE1660-02 (VEW2 - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				113 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				104 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				112 %			

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Delta Env. Consultants - Aliso Viejo
 27141 Aliso Creek Road, Suite 270
 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05

Received: 05/25/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOE1660-03 (VEW3 - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005

Surrogate: Dibromofluoromethane (80-120%)

111 %

Surrogate: Toluene-d8 (80-120%)

102 %

Surrogate: 4-Bromofluorobenzene (80-120%)

110 %

Sample ID: IOE1660-04 (BC1-M - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005

Surrogate: Dibromofluoromethane (80-120%)

111 %

Surrogate: Toluene-d8 (80-120%)

104 %

Surrogate: 4-Bromofluorobenzene (80-120%)

108 %

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Pat Abe

Project Manager



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Delta Env. Consultants - Aliso Viejo
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 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05
 Received: 05/25/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOE1660-05 (VEWS - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				114 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				103 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				108 %			

Sample ID: IOE1660-06 (BC1-D - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				114 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				105 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				108 %			

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 Pat Abe
 Project Manager

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Delta Env. Consultants - Aliso Viejo
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 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05

Received: 05/25/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOE1660-07 (INFLUENT - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				114 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				103 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				108 %			

Sample ID: IOE1660-08 (EFFLUENT - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5E26011	1.2	ND	1	5/26/2005	5/26/2005
Ethylbenzene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Toluene	EPA 8260B MOD.	5E26011	1.1	ND	1	5/26/2005	5/26/2005
m,p-Xylenes	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
o-Xylene	EPA 8260B MOD.	5E26011	0.92	ND	1	5/26/2005	5/26/2005
Xylenes, Total	EPA 8260B MOD.	5E26011	1.8	ND	1	5/26/2005	5/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5E26011	2.7	ND	1	5/26/2005	5/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5E26011	2.4	ND	1	5/26/2005	5/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5E26011	2.8	ND	1	5/26/2005	5/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5E26011	33	ND	1	5/26/2005	5/26/2005
Ethanol	EPA 8260B MOD.	5E26011	160	ND	1	5/26/2005	5/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				114 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				105 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				109 %			

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 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05
 Received: 05/25/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: VEW1 (IOE1660-01) - Air					
EPA 8015M	3	05/25/2005 12:35	05/25/2005 15:50	05/26/2005 15:01	05/26/2005 15:01
EPA 8260B MOD.	3	05/25/2005 12:35	05/25/2005 15:50	05/26/2005 09:03	05/26/2005 09:33
Sample ID: VEW2 (IOE1660-02) - Air					
EPA 8015M	3	05/25/2005 12:40	05/25/2005 15:50	05/26/2005 15:16	05/26/2005 15:16
EPA 8260B MOD.	3	05/25/2005 12:40	05/25/2005 15:50	05/26/2005 09:09	05/26/2005 10:35
Sample ID: VEW3 (IOE1660-03) - Air					
EPA 8015M	3	05/25/2005 12:20	05/25/2005 15:50	05/26/2005 15:31	05/26/2005 15:31
EPA 8260B MOD.	3	05/25/2005 12:20	05/25/2005 15:50	05/26/2005 09:12	05/26/2005 11:07
Sample ID: BC1-M (IOE1660-04) - Air					
EPA 8015M	3	05/25/2005 12:25	05/25/2005 15:50	05/26/2005 15:48	05/26/2005 15:48
EPA 8260B MOD.	3	05/25/2005 12:25	05/25/2005 15:50	05/26/2005 09:15	05/26/2005 11:38
Sample ID: VEW5 (IOE1660-05) - Air					
EPA 8015M	3	05/25/2005 12:30	05/25/2005 15:50	05/26/2005 16:05	05/26/2005 16:05
EPA 8260B MOD.	3	05/25/2005 12:30	05/25/2005 15:50	05/26/2005 09:50	05/26/2005 12:09
Sample ID: BC1-D (IOE1660-06) - Air					
EPA 8015M	3	05/25/2005 12:15	05/25/2005 15:50	05/26/2005 16:20	05/26/2005 16:20
EPA 8260B MOD.	3	05/25/2005 12:15	05/25/2005 15:50	05/26/2005 09:55	05/26/2005 12:40
Sample ID: INFLUENT (IOE1660-07) - Air					
EPA 8015M	3	05/25/2005 12:10	05/25/2005 15:50	05/26/2005 16:35	05/26/2005 16:35
EPA 8260B MOD.	3	05/25/2005 12:10	05/25/2005 15:50	05/26/2005 09:58	05/26/2005 13:11
Sample ID: EFFLUENT (IOE1660-08) - Air					
410 A	3	05/25/2005 12:05	05/25/2005 15:50	05/27/2005 20:14	05/27/2005 20:14
EPA 8015M	3	05/25/2005 12:05	05/25/2005 15:50	05/26/2005 16:50	05/26/2005 16:50
EPA 8260B MOD.	3	05/25/2005 12:05	05/25/2005 15:50	05/26/2005 10:01	05/26/2005 13:43

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Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05
Received: 05/25/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E26063 Extracted: 05/26/05										
Blank Analyzed: 05/26/2005 (5E26063-BLK1)										
Volatile Fuel Hydrocarbons (C6-C12)	ND	2.4	ppmv							
LCS Analyzed: 05/26/2005 (5E26063-BS1)										
Volatile Fuel Hydrocarbons (C6-C12)	69.8	2.4	ppmv	70.0		100	80-120			
Duplicate Analyzed: 05/26/2005 (5E26063-DUP1)					Source: IOE1660-08					
Volatile Fuel Hydrocarbons (C6-C12)	4.57	2.4	ppmv		5.0			9	20	

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Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05
Received: 05/25/05

METHOD BLANK/QC DATA

BENZENE in AIR (410A MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	Data Limit Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------------------	---------	-----------------------

Batch: 5E27066 Extracted: 05/27/05

Blank Analyzed: 05/27/2005 (SE27066-BLK1)

Benzene	ND	0.059	ppmv
---------	----	-------	------

Duplicate Analyzed: 05/27/2005 (SE27066-DUP1)

Benzene	ND	0.059	ppmv	Source: IOE1660-08	ND	20
---------	----	-------	------	--------------------	----	----



Del Mar Analytical

Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 05/25/05
Received: 05/25/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-----------------

Batch: 5E26011 Extracted: 05/26/05

Blank Analyzed: 05/26/2005 (5E26011-BLK1)

Benzene	ND	1.2	ppmv							
Ethylbenzene	ND	0.92	ppmv							
Toluene	ND	1.1	ppmv							
m,p-Xylenes	ND	0.92	ppmv							
o-Xylene	ND	0.92	ppmv							
Xylenes, Total	ND	1.8	ppmv							
Di-isopropyl Ether (DIPE)	ND	2.4	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	2.7	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	2.4	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	2.8	ppmv							
tert-Butanol (TBA)	ND	33	ppmv							
Ethanol	ND	160	ppmv							
<i>Surrogate: Dibromoiodomethane</i>	6.90		ppmv	6.37		108	80-120			
<i>Surrogate: Toluene-d8</i>	12.6		ppmv	12.2		103	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.44		ppmv	6.99		106	80-120			

LCS Analyzed: 05/26/2005 (5E26011-BS1)

Benzene	13.7	1.2	ppmv	15.7		87	65-120			
Ethylbenzene	10.9	0.92	ppmv	11.5		95	70-125			
Toluene	11.8	1.1	ppmv	13.3		89	70-125			
m,p-Xylenes	22.4	0.92	ppmv	23.0		97	70-125			
o-Xylene	11.0	0.92	ppmv	11.5		96	70-125			
Xylenes, Total	33.4	1.8	ppmv	34.5		97	70-125			
Di-isopropyl Ether (DIPE)	11.9	2.4	ppmv	12.0		99	60-135			
Ethyl tert-Butyl Ether (ETBE)	9.95	2.7	ppmv	12.0		83	60-135			
tert-Amyl Methyl Ether (TAME)	10.8	2.4	ppmv	12.0		90	60-135			
Methyl-tert-butyl Ether (MTBE)	13.1	2.8	ppmv	13.9		94	55-140			
tert-Butanol (TBA)	78.8	33	ppmv	82.5		96	65-135			
Ethanol	325	160	ppmv	265		123	35-160			
<i>Surrogate: Dibromoiodomethane</i>	6.87		ppmv	6.37		108	80-120			
<i>Surrogate: Toluene-d8</i>	12.6		ppmv	12.2		103	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.49		ppmv	6.99		107	80-120			

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Pat Abe
Project Manager

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IOE1660 <Page 11 of 14>



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Delta Env. Consultants - Aliso Viejo
 27141 Aliso Creek Road, Suite 270
 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05
 Received: 05/25/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 5E26011 Extracted: 05/26/05</u>										
Duplicate Analyzed: 05/26/2005 (5E26011-DUP1)					Source: IOE1660-01					
Benzene	ND	1.2	ppmv		ND				20	
Ethylbenzene	ND	0.92	ppmv		ND				20	
Toluene	ND	1.1	ppmv		ND				20	
m,p-Xylenes	ND	0.92	ppmv		ND				20	
o-Xylene	ND	0.92	ppmv		ND				20	
Xylenes, Total	ND	1.8	ppmv		0.25				20	
Di-isopropyl Ether (DIPE)	ND	2.4	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	2.7	ppmv		ND				20	
tert-Amyl Methyl Ether (TAME)	ND	2.4	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	2.8	ppmv		ND				25	
tert-Butanol (TBA)	ND	33	ppmv		ND				25	
Ethanol	ND	160	ppmv		ND				30	
<i>Surrogate: Dibromo fluoro methane</i>	6.76		ppmv	6.37		106	80-120			
<i>Surrogate: Toluene-d8</i>	12.5		ppmv	12.2		102	80-120			
<i>Surrogate: 4-Bromo fluoro benzene</i>	7.40		ppmv	6.99		106	80-120			

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Delta Env. Consultants - Aliso Viejo
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Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 05/25/05
Received: 05/25/05

DATA QUALIFIERS AND DEFINITIONS

- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.
The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m³ to ppm by volume (ppmv).

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

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IOE1660 <Page 13 of 14>



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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOE1660

Sampled: 05/25/05

Received: 05/25/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
410 A	Air	N/A	N/A
EPA 8015M	Air	N/A	N/A
EPA 8260B MOD.	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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Pat Abe
Project Manager

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IOE1660 <Page 14 of 14>



Chain of Custody Record

Project Name ARCO 3081

BP BU/AR Region/Envos Segment:

State or Lead Regulatory Agency San Bernardino County Fire Department

Requested Due Date (mm/dd/yy) Standard

2005

COC TRACKING No.

		On-site Time: <u>8:00</u> Temp: <u>53°C</u>	Off-site Time: <u>13:00</u> Temp: <u>53°C</u>	1	
Sky Conditions: <u>NO CLOUDS</u>		Meteorological Events:		Wind Speed:	
Consultant/Contractor: <u>Delta Environmental</u>		Address: <u>27141 Aliso Creek Rd. #270</u>		27141 Aliso Creek Rd. #270	
e-mail EDD to: <u>ckuhlmann@deltaenv.com</u>		Consultant/Contractor Project No.: <u>G0BAY-RPS2</u>		Alis Viejo, CA 92656	
Consultant/Contractor Tele/Fax: <u>(949) 836-6450</u>		Consultant/Contractor P.M.: <u>Paul McCarter</u>		(949) 836-6450	
Invoice to: Consultant or BP or AR Crn (Circle one)		Report Type & QC level		BP Level 1	
Sample Point Lat/Long and Comments					
Lab Name: <u>Del Mar Analytical</u>	BPIAR Facility No.: <u>3081</u>	Preservatives		Requested Analysis	
	Site Lat/Long: <u>17461 Delran Avc. #100</u>	No. of containers	TPHg EPA 8015	Sample Point Lat/Long and Comments	
Lab Address: <u>Irvine, CA</u>	California Global ID #: <u>T0607100111</u>	Lipid/esterified	TPHg EPA 8270		
Lab P.M.: <u>Pat Abe</u>	Entos Project No.: <u>GOB6W-0006</u>	HCl	EPA 8260		
Tele/Fax: <u>(654) 26-1022</u>	Provision or RCOP	HN ₃ O ⁺	BTEx + O ₂ S +		
BPIAR PM Contact Name: <u>Gordon Terhune</u>	Phase/WBS: <u>03</u>	Methanol	Benzene 410A		
Address: <u>4 Centerpoint Dr.</u>	Sub Phase/Task: <u>05</u>	H ₂ SO ₄	EPA 8260B		
Tele/Fax: <u>La Palma, CA</u>	Cost Element: <u>03</u>	LiCl	EPA 8260D		
Lab Bottle Order No: <u></u>	Matrix: <u></u>	Water/Liquid	Ethanol		
Item No.	Sample Description	Date	Preservatives		
1	VIEW 1	1235	Air		
2	VIEW 2	1240	TDE660		
3	VIEW 3	1210			
4	BC 1-M	1225			
5	VIEW 5	1230			
6	BC 1-D	1215			
7	INFILTRANT	1210			
8	EFFLUENT	1235			
9					
10					
Sampler's Full Name: <u>STEVE LURKE</u>		Relinquished By / Affiliation(Sign)	Date / Time	Accepted By / Affiliation(Sign)	
Sampler's Company: <u>DATA</u>	Temp Blank (circle one) <input checked="" type="radio"/> Y <input type="radio"/> N	F/C (circle one) <input checked="" type="radio"/> F/C <input type="radio"/> N	Date <u>10/10/04</u>	Time <u>15:50</u>	Trip Blank Y <input checked="" type="radio"/> N (Circle one)
Shipment Date: <u>5-25-05</u>					
Shipment Method: <u>Delivered</u>					
Shipment Tracking No: <u></u>					
Special Instructions: <u>GOB6W-0006</u>					
Custody Seals In Place (circle one)	<input checked="" type="radio"/> Y <input type="radio"/> N	Cooler Temperature on Receipt <input checked="" type="radio"/> F/C (circle one) <input type="radio"/> O/F/C (circle one)			
Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor					
BP COC Rev. 4 10/10/04					



Chain of Custody Record

Project Name ARCO 3081

BP BU/AR Region/Envos Segment:

AR West Coast Retail

State or Lead Regulatory Agency

San Bernardino County Fire Department

COC TRACKING No.

BPAR Facility No.:

17461 Berian Ave. #100
Irvine, CA

BPAR Facility Address:

12201 Mountain Ave. Chino, CA
NA

Site Lat/Long:

California Global ID #:

T0607100-111

Envos Project No.:

G0B6W-0006

Provision or RCOP

(Circle one)

Phase/WBS:

03

Sub Phase/Task

05

Cost Element

03

Matrix

Preservatives

Laboratory Tracking No.

No. of containers

Methanol

HCl

HNO₃H₂SO₄

Acetone

BTEX + Oxy's +

Benzene 410A

EPA 8260

EPA 8270

TPHg EPA 8015

BP Level 1

Report Type & QC level

BP Level 1

Requested Analysis

Sample Point Lat/Long and

Comments

10 DAY

/

/

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/

/

/

/

/

/

/

Page	1 of 1
On-site Time:	8:00
Off-site Time:	13:00
Sky Conditions:	Partly Cloudy
Meteorological Events:	
Wind Speed:	
Direction:	

Item No.	Sample Description	Date	Time	Soil/Solid	Water/Liquid	Air	Impreserved	HCl	HNO ₃	H ₂ SO ₄	Benzene	EPA 8260B	BTEX + Oxy's +	BP60	EPA 8260	EPA 8270	TPHg EPA 8015	BP Level 1	Report Type & QC level	BP Level 1	Requested Analysis	Sample Point Lat/Long and Comments	
1 ✓	VIEW 1	12/25	12:40	X	X			X															
2 ✓	VIEW 2	12/20	12:40	X	X			X															
3 ✓	VIEW 3	12/20	12:40	X	X			X															
4 ✓	BC-1-M	12/25	12:40	X	X			X															
5 ✓	VIEW 5	12/30	12:40	X	X			X															
6 ✓	BC-1-D	12/25	12:40	X	X			X															
7 ✓	WATER	12/10	12:40	X	X			X															
8 ✓	EFFLUENT	12/25	12:40	X	X			X															
9																							
10																							
Sampler's Full Name: STEVE WILKE Relinquished By / Affiliation(Sign) <i>Steve Wilke</i>												Date / Time	Accepted By / Affiliation(Sign) <i>BP COC Rev. 4 10/1/04</i>	Date	Time								
Sampler's Company: DATA 5-25-05																							
Shipment Date: 5-25-05																							
Shipment Method: DELIVERED																							
Shipment Tracking No.: G0B6W-0006																							
Special Instructions:																							
Custody Seals In Place (circle one) Y N												Temp Blank (circle one) Y N	Cooler Temperature on Receipt RT°C/C (circle one) Y N	Trip Blank Y N	Circle one)	Trip Blank Y N							
Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor												BP COC Rev. 4 10/1/04											



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LABORATORY REPORT

Prepared For: Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656

Attention: Paul McCarter

Project: ARCO 3081, Chino

Sampled: 07/28/05
Received: 07/28/05
Issued: 08/08/05 11:36

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IOG1967-01	INFLUENT	Air
IOG1967-02	EFFLUENT	Air

Reviewed By:

Del Mar Analytical, Irvine
Pat Abe
Project Manager



Del Mar Analytical

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Delta Env. Consultants - Aliso Viejo
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 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOG1967

Sampled: 07/28/05

Received: 07/28/05

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOG1967-01 (INFLUENT - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5G29054	2.4	7.1	1	7/29/2005	7/29/2005	
Sample ID: IOG1967-02 (EFFLUENT - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5G29054	2.4	5.9	1	7/29/2005	7/29/2005	

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 Pat Abe
 Project Manager

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Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOG1967

Sampled: 07/28/05

Received: 07/28/05

BENZENE in AIR (410A MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOG1967-02 (EFFLUENT - Air)								
Reporting Units: ppmv								
Benzene	410 A	5G29056	0.059	ND	1	7/29/2005	7/29/2005	

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Project Manager

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IOG1967 <Page 3 of 10>



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 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOG1967

Sampled: 07/28/05

Received: 07/28/05

BTEX and MTBE in Air by GC/MS (EPA 5030B/8260B MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
---------	--------	-------	-----------------	---------------	-----------------	----------------	---------------	-----------------

Sample ID: IOG1967-01 (INFLUENT - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5G29010	1.2	ND	1	7/29/2005	7/29/2005
Ethylbenzene	EPA 8260B MOD.	5G29010	0.92	ND	1	7/29/2005	7/29/2005
Toluene	EPA 8260B MOD.	5G29010	1.1	ND	1	7/29/2005	7/29/2005
o-Xylene	EPA 8260B MOD.	5G29010	0.92	ND	1	7/29/2005	7/29/2005
m,p-Xylenes	EPA 8260B MOD.	5G29010	0.92	ND	1	7/29/2005	7/29/2005
Xylenes, Total	EPA 8260B MOD.	5G29010	1.8	ND	1	7/29/2005	7/29/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5G29010	2.8	ND	1	7/29/2005	7/29/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				103 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				110 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				109 %			

Sample ID: IOG1967-02 (EFFLUENT - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5G29010	1.2	ND	1	7/29/2005	7/29/2005
Ethylbenzene	EPA 8260B MOD.	5G29010	0.92	ND	1	7/29/2005	7/29/2005
Toluene	EPA 8260B MOD.	5G29010	1.1	ND	1	7/29/2005	7/29/2005
o-Xylene	EPA 8260B MOD.	5G29010	0.92	ND	1	7/29/2005	7/29/2005
m,p-Xylenes	EPA 8260B MOD.	5G29010	0.92	ND	1	7/29/2005	7/29/2005
Xylenes, Total	EPA 8260B MOD.	5G29010	1.8	ND	1	7/29/2005	7/29/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5G29010	2.8	ND	1	7/29/2005	7/29/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				104 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				110 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				109 %			

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 Pat Abe
 Project Manager

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOG1967

Sampled: 07/28/05

Received: 07/28/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: INFLUENT (IOG1967-01) - Air					
EPA 8015M	3	07/28/2005 12:30	07/28/2005 18:15	07/29/2005 13:11	07/29/2005 13:11
EPA 8260B MOD.	3	07/28/2005 12:30	07/28/2005 18:15	07/29/2005 10:24	07/29/2005 14:09
Sample ID: EFFLUENT (IOG1967-02) - Air					
410 A	3	07/28/2005 12:30	07/28/2005 18:15	07/29/2005 16:23	07/29/2005 19:06
EPA 8015M	3	07/28/2005 12:30	07/28/2005 18:15	07/29/2005 13:28	07/29/2005 13:28
EPA 8260B MOD.	3	07/28/2005 12:30	07/28/2005 18:15	07/29/2005 10:30	07/29/2005 15:06

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 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOG1967

Sampled: 07/28/05

Received: 07/28/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 5G29054 Extracted: 07/29/05</u>										
Blank Analyzed: 07/29/2005 (5G29054-BLK1)										
Volatile Fuel Hydrocarbons (C6-C12)	ND	2.4	ppmv							
LCS Analyzed: 07/30/2005 (5G29054-BS1)										
Volatile Fuel Hydrocarbons (C6-C12)	78.6	2.4	ppmv	70.0		112	80-120			
Duplicate Analyzed: 07/29/2005 (5G29054-DUP1)					Source: IOG2000-01					
Volatile Fuel Hydrocarbons (C6-C12)	414	2.4	ppmv		410			1	20	

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Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOG1967

Sampled: 07/28/05

Received: 07/28/05

METHOD BLANK/QC DATA

BENZENE in AIR (410A MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 5G29056 Extracted: 07/29/05</u>										
Blank Analyzed: 07/29/2005 (5G29056-BLK1)										
Benzene	ND	0.059	ppmv							
Duplicate Analyzed: 07/29/2005 (5G29056-DUP1)										
Benzene	ND	0.059	ppmv		Source: IOG1903-02					20
					ND					

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Project ID: ARCO 3081, Chino

Report Number: IOG1967

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 07/28/05
Received: 07/28/05

METHOD BLANK/QC DATA

BTEX and MTBE in Air by GC/MS (EPA 5030B/8260B MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit	Data Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	------------	-----------------

Batch: 5G29010 Extracted: 07/29/05

Blank Analyzed: 07/29/2005 (5G29010-BLK1)

Benzene	ND	1.2	ppmv						
Ethylbenzene	ND	0.92	ppmv						
Toluene	ND	1.1	ppmv						
o-Xylene	ND	0.92	ppmv						
m,p-Xylenes	ND	0.92	ppmv						
Xylenes, Total	ND	1.8	ppmv						
Methyl-tert-butyl Ether (MTBE)	ND	2.8	ppmv						
<i>Surrogate: Dibromoformmethane</i>	6.22		ppmv	6.37		98	80-120		
<i>Surrogate: Toluene-d8</i>	13.1		ppmv	12.2		107	80-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	7.35		ppmv	6.99		105	80-120		

LCS Analyzed: 07/29/2005 (5G29010-BS1)

Benzene	15.4	1.2	ppmv	15.7		98	65-120		
Ethylbenzene	12.8	0.92	ppmv	11.5		111	70-125		
Toluene	13.7	1.1	ppmv	13.3		103	70-125		
o-Xylene	12.5	0.92	ppmv	11.5		109	70-125		
m,p-Xylenes	25.6	0.92	ppmv	23.0		111	70-125		
Xylenes, Total	38.1	1.8	ppmv	34.5		110	70-125		
Methyl-tert-butyl Ether (MTBE)	14.7	2.8	ppmv	13.9		106	55-140		
<i>Surrogate: Dibromoformmethane</i>	6.32		ppmv	6.37		99	80-120		
<i>Surrogate: Toluene-d8</i>	13.2		ppmv	12.2		108	80-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	7.69		ppmv	6.99		110	80-120		

Duplicate Analyzed: 07/29/2005 (5G29010-DUP1)

Benzene	ND	1.2	ppmv	ND				20	
Ethylbenzene	ND	0.92	ppmv	ND				20	
Toluene	ND	1.1	ppmv	ND				20	
o-Xylene	ND	0.92	ppmv	ND				20	
m,p-Xylenes	ND	0.92	ppmv	ND				20	
Xylenes, Total	ND	1.8	ppmv	ND				20	
Methyl-tert-butyl Ether (MTBE)	0.300	2.8	ppmv	0.28				7	25
<i>Surrogate: Dibromoformmethane</i>	6.63		ppmv	6.37		104	80-120		
<i>Surrogate: Toluene-d8</i>	13.4		ppmv	12.2		110	80-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	7.78		ppmv	6.99		111	80-120		

Source: IOG1967-01

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOG1967

Sampled: 07/28/05
Received: 07/28/05

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m³ to ppm by volume (ppmv).

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

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Sampled: 07/28/05
Received: 07/28/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
410 A	Air	N/A	N/A
EPA 8015M	Air	N/A	N/A
EPA 8260B MOD.	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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105406

Chain of Custody Record

ARCO 3081

Project Name

BP GULF CO Portfolio:

BP Laboratory Contract Number:

Requested Due Date (mm/dd/yy) Standard FAT
7/28/05

Page ____ of ____

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	Deltan Environmental Consultants Inc.											
Lab Name:	Deltan Environmental Consultants Inc.											
Lab Address:	17461 Mountain Ave, Chino Hills, CA 91707, Suite 270, Irwindale, CA 91706-5700											
Site ID No.	Site Lat/Long:											
California Global ID #:												
BP/GEM PM Contact:	Gordon Terhune											
Address:	4 Peterpointe Dr., La Palma, CA											
Lab P.M.:	Patricia Abe											
Tele/Fax:	(949) 261-1022											
Report Type & QC Level:	Standard											
BP/GEM Account No.:												
Lab Bottle Order No.:												
Matrix												
Item No.	Sample Description	Date	Time	Laboratory No.	No. of containers					Requested Analysis		
1	TANFLUENT	7/28	12:30	1061967	1					Sample Point Lat/Long and Comments		
2	EFFLUENT	7/28	12:30	X	1							
3												
4												
5												
6												
7												
8												
9												
10												
Sampler's Name:	Kamran Balikh											
Sampler's Company:	Deltan Environmental											
Shipment Date:	7/28											
Shipment Method:	Ground											
Shipment Tracking No.:												
Special Instructions:												
Custody Seals In Place Yes	No											
Cooler Temperature on Receipt <u>22</u> °F/C											Trip Blank Yes	No
LABORATORY											BP COC Rev.2	4/18/03



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LABORATORY REPORT

Prepared For: Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project: ARCO 3081, Chino

Sampled: 08/25/05
Received: 08/25/05
Issued: 09/09/05 14:15

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.
- HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
Please note that the result for MTBE exceeded the linear range in the DUP and therefore is not available for reporting for EPA 5030B/8260B Mod QC batch 5H26015. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
- COMMENTS: No significant observations were made.
- SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IOH2083-01	Influent	Air
IOH2083-02	Effluent	Air
IOH2083-03	BC-1D	Air
IOH2083-04	VEW-2	Air
IOH2083-05	VEW-5	Air

Reviewed By:

Del Mar Analytical, Irvine
Pat Abe
Project Manager



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Delta Env. Consultants - Aliso Viejo
 27141 Aliso Creek Road, Suite 270
 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05
 Received: 08/25/05

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH2083-01 (Influent - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5H26056	2.4	7.1	1	8/26/2005	8/26/2005	
Sample ID: IOH2083-02 (Effluent - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5H26056	2.4	5.3	1	8/26/2005	8/26/2005	
Sample ID: IOH2083-03 (BC-1D - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5H26056	2.4	6.0	1	8/26/2005	8/26/2005	
Sample ID: IOH2083-04 (VEW-2 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5H26056	2.4	3.7	1	8/26/2005	8/26/2005	
Sample ID: IOH2083-05 (VEW-5 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M	5H26056	2.4	2.6	1	8/26/2005	8/26/2005	

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Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05

Received: 08/25/05

BENZENE in AIR (410A MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH2083-02 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	410 A	5H25076	0.059	ND	1	8/25/2005	8/25/2005	

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 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05
 Received: 08/25/05

BTEX and MTBE in Air by GC/MS (EPA 5030B/8260B MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
---------	--------	-------	-----------------	---------------	-----------------	----------------	---------------	-----------------

Sample ID: IOH2083-01 (Influent - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5H26015	1.2	ND	1	8/26/2005	8/26/2005
Ethylbenzene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
Toluene	EPA 8260B MOD.	5H26015	1.1	ND	1	8/26/2005	8/26/2005
o-Xylene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
m,p-Xylenes	EPA 8260B MOD.	5H26015	0.92	1.2	1	8/26/2005	8/26/2005
Xylenes, Total	EPA 8260B MOD.	5H26015	1.8	ND	1	8/26/2005	8/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5H26015	2.8	ND	1	8/26/2005	8/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				110 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				102 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				96 %			

Sample ID: IOH2083-02 (Effluent - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5H26015	1.2	ND	1	8/26/2005	8/26/2005
Ethylbenzene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
Toluene	EPA 8260B MOD.	5H26015	1.1	ND	1	8/26/2005	8/26/2005
o-Xylene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
m,p-Xylenes	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
Xylenes, Total	EPA 8260B MOD.	5H26015	1.8	ND	1	8/26/2005	8/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5H26015	2.8	ND	1	8/26/2005	8/26/2005
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				113 %			
<i>Surrogate: Toluene-d8 (80-120%)</i>				101 %			
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				98 %			

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Delta Env. Consultants - Aliso Viejo
 27141 Aliso Creek Road, Suite 270
 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05

Received: 08/25/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
---------	--------	-------	-----------------	---------------	-----------------	----------------	---------------	-----------------

Sample ID: IOH2083-03 (BC-1D - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5H26015	1.2	ND	1	8/26/2005	8/26/2005
Ethylbenzene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
Toluene	EPA 8260B MOD.	5H26015	1.1	ND	1	8/26/2005	8/26/2005
m,p-Xylenes	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
o-Xylene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
Xylenes, Total	EPA 8260B MOD.	5H26015	1.8	ND	1	8/26/2005	8/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5H26015	2.4	ND	1	8/26/2005	8/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5H26015	2.7	ND	1	8/26/2005	8/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5H26015	2.4	ND	1	8/26/2005	8/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5H26015	2.8	ND	1	8/26/2005	8/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5H26015	33	ND	1	8/26/2005	8/26/2005
Ethanol	EPA 8260B MOD.	5H26015	160	ND	1	8/26/2005	8/26/2005

Surrogate: Dibromofluoromethane (80-120%)

114 %

Surrogate: Toluene-d8 (80-120%)

102 %

Surrogate: 4-Bromofluorobenzene (80-120%)

100 %

Sample ID: IOH2083-04 (VEW-2 - Air)

Reporting Units: ppmv

Benzene	EPA 8260B MOD.	5H26015	1.2	ND	1	8/26/2005	8/26/2005
Ethylbenzene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
Toluene	EPA 8260B MOD.	5H26015	1.1	1.1	1	8/26/2005	8/26/2005
m,p-Xylenes	EPA 8260B MOD.	5H26015	0.92	1.8	1	8/26/2005	8/26/2005
o-Xylene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/26/2005
Xylenes, Total	EPA 8260B MOD.	5H26015	1.8	2.2	1	8/26/2005	8/26/2005
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5H26015	2.4	ND	1	8/26/2005	8/26/2005
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5H26015	2.7	ND	1	8/26/2005	8/26/2005
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5H26015	2.4	ND	1	8/26/2005	8/26/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5H26015	2.8	ND	1	8/26/2005	8/26/2005
tert-Butanol (TBA)	EPA 8260B MOD.	5H26015	33	ND	1	8/26/2005	8/26/2005
Ethanol	EPA 8260B MOD.	5H26015	160	ND	1	8/26/2005	8/26/2005

Surrogate: Dibromofluoromethane (80-120%)

111 %

Surrogate: Toluene-d8 (80-120%)

100 %

Surrogate: 4-Bromofluorobenzene (80-120%)

101 %

Del Mar Analytical, Irvine

Pat Abe

Project Manager



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Delta Env. Consultants - Aliso Viejo
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 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05

Received: 08/25/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH2083-05 (VEW-5 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD.	5H26015	1.2	ND	1	8/26/2005	8/27/2005	
Ethylbenzene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/27/2005	
Toluene	EPA 8260B MOD.	5H26015	1.1	ND	1	8/26/2005	8/27/2005	
m,p-Xylenes	EPA 8260B MOD.	5H26015	0.92	1.5	1	8/26/2005	8/27/2005	
o-Xylene	EPA 8260B MOD.	5H26015	0.92	ND	1	8/26/2005	8/27/2005	
Xylenes, Total	EPA 8260B MOD.	5H26015	1.8	1.9	1	8/26/2005	8/27/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5H26015	2.4	ND	1	8/26/2005	8/27/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5H26015	2.7	ND	1	8/26/2005	8/27/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5H26015	2.4	ND	1	8/26/2005	8/27/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5H26015	2.8	ND	1	8/26/2005	8/27/2005	
tert-Butanol (TBA)	EPA 8260B MOD.	5H26015	33	ND	1	8/26/2005	8/27/2005	
Ethanol	EPA 8260B MOD.	5H26015	160	ND	1	8/26/2005	8/27/2005	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>						114 %		
<i>Surrogate: Toluene-d8 (80-120%)</i>						104 %		
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>						99 %		

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 Aliso Viejo, CA 92656
 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05

Received: 08/25/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Influent (IOH2083-01) - Air					
EPA 8015M	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 12:50	08/26/2005 12:50
EPA 8260B MOD.	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 17:44	08/26/2005 20:46
Sample ID: Effluent (IOH2083-02) - Air					
410 A	3	08/25/2005 12:30	08/25/2005 14:00	08/25/2005 16:03	08/25/2005 16:03
EPA 8015M	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 13:28	08/26/2005 13:28
EPA 8260B MOD.	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 00:00	08/26/2005 22:30
Sample ID: BC-1D (IOH2083-03) - Air					
EPA 8015M	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 13:42	08/26/2005 13:42
EPA 8260B MOD.	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 17:53	08/26/2005 22:57
Sample ID: VEW-2 (IOH2083-04) - Air					
EPA 8015M	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 13:56	08/26/2005 13:56
EPA 8260B MOD.	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 17:57	08/26/2005 23:23
Sample ID: VEW-5 (IOH2083-05) - Air					
EPA 8015M	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 14:10	08/26/2005 14:10
EPA 8260B MOD.	3	08/25/2005 12:30	08/25/2005 14:00	08/26/2005 18:01	08/27/2005 00:16

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 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05
 Received: 08/25/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 5H26056 Extracted: 08/26/05</u>										
Blank Analyzed: 08/26/2005 (5H26056-BLK1)										
Volatile Fuel Hydrocarbons (C6-C12)	ND	2.4	ppmv							
LCS Analyzed: 08/26/2005 (5H26056-BS1)										
Volatile Fuel Hydrocarbons (C6-C12)	72.3	2.4	ppmv	69.7		104	80-120			
Duplicate Analyzed: 08/26/2005 (5H26056-DUP1)					Source: IOH2082-01					
Volatile Fuel Hydrocarbons (C6-C12)	7.45	2.4	ppmv		6.4			15	20	

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Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05
Received: 08/25/05

METHOD BLANK/QC DATA

BENZENE in AIR (410A MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5H25076 Extracted: 08/25/05

Blank Analyzed: 08/25/2005 (5H25076-BLK1)

Benzene ND 0.059 ppmv

Duplicate Analyzed: 08/25/2005 (5H25076-DUP1)

Benzene ND 0.059 ppmv Source: IOH1984-02 ND 20

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Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05
 Received: 08/25/05

METHOD BLANK/QC DATA

BTEX and MTBE in Air by GC/MS (EPA 5030B/8260B MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H26015 Extracted: 08/26/05										
Blank Analyzed: 08/26/2005 (5H26015-BLK1)										
Benzene	ND	1.2	ppmv							
Ethylbenzene	ND	0.92	ppmv							
Toluene	ND	1.1	ppmv							
o-Xylene	ND	0.92	ppmv							
m,p-Xylenes	ND	0.92	ppmv							
Xylenes, Total	ND	1.8	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	2.8	ppmv							
<i>Surrogate: Dibromoiodomethane</i>	6.10		ppmv	6.37		96	80-120			
<i>Surrogate: Toluene-d8</i>	12.2		ppmv	12.2		100	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.47		ppmv	6.99		93	80-120			
LCS Analyzed: 08/26/2005 (5H26015-BS1)										
Benzene	14.2	1.2	ppmv	15.7		90	65-120			
Ethylbenzene	11.2	0.92	ppmv	11.5		97	70-125			
Toluene	12.3	1.1	ppmv	13.3		92	70-125			
o-Xylene	10.6	0.92	ppmv	11.5		92	70-125			
m,p-Xylenes	21.9	0.92	ppmv	23.0		95	70-125			
Xylenes, Total	32.4	1.8	ppmv	34.5		94	70-125			
Methyl-tert-butyl Ether (MTBE)	12.5	2.8	ppmv	13.9		90	55-140			
<i>Surrogate: Dibromoiodomethane</i>	6.56		ppmv	6.37		103	80-120			
<i>Surrogate: Toluene-d8</i>	12.3		ppmv	12.2		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.79		ppmv	6.99		97	80-120			
Duplicate Analyzed: 08/26/2005 (5H26015-DUP1)										
					Source: IOH2082-01					
Benzene	ND	1.2	ppmv		ND			20		
Ethylbenzene	ND	0.92	ppmv		ND			20		
Toluene	0.308	1.1	ppmv		ND			20		
o-Xylene	ND	0.92	ppmv		ND			20		
m,p-Xylenes	0.364	0.92	ppmv		ND			20		
Xylenes, Total	0.465	1.8	ppmv		ND			20		
<i>Surrogate: Dibromoiodomethane</i>	6.79		ppmv	6.37		107	80-120			
<i>Surrogate: Toluene-d8</i>	12.3		ppmv	12.2		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.72		ppmv	6.99		96	80-120			

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 Attention: Paul McCarter

Project ID: ARCO 3081, Chino
 Report Number: IOH2083

Sampled: 08/25/05
 Received: 08/25/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5H26015 Extracted: 08/26/05

Blank Analyzed: 08/26/2005 (5H26015-BLK1)

Benzene	ND	1.2	ppmv							
Ethylbenzene	ND	0.92	ppmv							
Toluene	ND	1.1	ppmv							
m,p-Xylenes	ND	0.92	ppmv							
o-Xylene	ND	0.92	ppmv							
Xylenes, Total	ND	1.8	ppmv							
Di-isopropyl Ether (DIPE)	ND	2.4	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	2.7	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	2.4	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	2.8	ppmv							
tert-Butanol (TBA)	ND	33	ppmv							
Ethanol	ND	160	ppmv							
<i>Surrogate: Dibromoiodomethane</i>	6.10		ppmv	6.37		96	80-120			
<i>Surrogate: Toluene-d8</i>	12.2		ppmv	12.2		100	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.47		ppmv	6.99		93	80-120			

LCS Analyzed: 08/26/2005 (5H26015-BS1)

Benzene	14.2	1.2	ppmv	15.7		90	65-120			
Ethylbenzene	11.2	0.92	ppmv	11.5		97	70-125			
Toluene	12.3	1.1	ppmv	13.3		92	70-125			
m,p-Xylenes	21.9	0.92	ppmv	23.0		95	70-125			
o-Xylene	10.6	0.92	ppmv	11.5		92	70-125			
Xylenes, Total	32.4	1.8	ppmv	34.5		94	70-125			
Di-isopropyl Ether (DIPE)	12.3	2.4	ppmv	12.0		102	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.6	2.7	ppmv	12.0		97	60-135			
tert-Amyl Methyl Ether (TAME)	11.7	2.4	ppmv	12.0		98	60-135			
Methyl-tert-butyl Ether (MTBE)	12.5	2.8	ppmv	13.9		90	55-140			
tert-Butanol (TBA)	76.3	33	ppmv	82.5		92	65-135			
Ethanol	285	160	ppmv	265		108	35-160			
<i>Surrogate: Dibromoiodomethane</i>	6.56		ppmv	6.37		103	80-120			
<i>Surrogate: Toluene-d8</i>	12.3		ppmv	12.2		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.79		ppmv	6.99		97	80-120			

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 Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05
 Received: 08/25/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-----------	-----------------

Batch: 5H26015 Extracted: 08/26/05

Duplicate Analyzed: 08/26/2005 (5H26015-DUP1)

Source: IOH2082-01

Benzene	ND	1.2	ppmv	ND				20	
Ethylbenzene	ND	0.92	ppmv	ND				20	
Toluene	0.308	1.1	ppmv	ND				20	
m,p-Xylenes	0.364	0.92	ppmv	ND				20	
o-Xylene	ND	0.92	ppmv	ND				20	
Xylenes, Total	0.465	1.8	ppmv	ND				20	
Di-isopropyl Ether (DIPE)	ND	2.4	ppmv	ND				20	
Ethyl tert-Butyl Ether (ETBE)	0.493	2.7	ppmv	0.50			1	20	
tert-Amyl Methyl Ether (TAME)	2.46	2.4	ppmv	2.7			9	20	
tert-Butanol (TBA)	5.22	33	ppmv	6.0			14	25	
Ethanol	ND	160	ppmv	ND				30	
<i>Surrogate: Dibromoiodomethane</i>	<i>6.79</i>		<i>ppmv</i>	<i>6.37</i>		<i>107</i>	<i>80-120</i>		
<i>Surrogate: Toluene-d8</i>	<i>12.3</i>		<i>ppmv</i>	<i>12.2</i>		<i>101</i>	<i>80-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>6.72</i>		<i>ppmv</i>	<i>6.99</i>		<i>96</i>	<i>80-120</i>		

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 Pat Abe
 Project Manager

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Del Mar Analytical

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Delta Env. Consultants - Aliso Viejo
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656
Attention: Paul McCarter

Project ID: ARCO 3081, Chino

Report Number: IOH2083

Sampled: 08/25/05

Received: 08/25/05

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.

The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m³ to ppm by volume (ppmv).

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
410 A	Air	N/A	N/A
EDD	Air		
EPA 8015M	Air	N/A	N/A
EPA 8260B MOD.	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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Chain of Custody Record

Project Name ARCO 3081

AR West Coast Retail

BP BU/AR Region/Enviro Segment:

San Bernardino County Fire Department

State or Lead Regulatory Agency Standard

Requested Due Date (mm/dd/yy)

COC TRACKING No.

3081

BP/AR Facility No.: 12201 Mountain Ave. Chino, CA

Site Lat/Long: NA

California Global ID #: T0607/00111

Enviro Project No.: G0B6W-0006

Provision or RCOP: (Circle one)

Phase/WBS: 03

Sub Phase/Task: 05

Cost Element: 03

Report Type & QC Level: BP Level 1

Requested Analysis

Item No.	Sample Description	Time	Date	Preservatives	Sample Point Lat/Long and Comments										
					Lipases/esterified	Methanol	HCl	HNO ₃	H ₂ SO ₄	Water/Liquid	Soil/Solid	Air	Ultraviolet	No. of containers	
1	Influent	12:30	8/25			X				X					
2	Effluent	12:30	8/25			X				X					
3	BC-10	12:30	8/25			X				X					
4	NEW-2	12:30	8/25			X				X					
5	NEW-5	12:30	8/25			X				X					
6						X				X					
7						X				X					
8						X				X					
9						X				X					
10						X				X					

Sampler's Full Name: Karen Burkhardt	Relinquished By / Affiliation(Sign): <i>Delta</i>	Date: 8/25	Accepted By / Affiliation(Sign): <i>✓</i>
Sampler's Company: Delta Environmental		Time: 14:00	Date: 8/25
Shipment Date: 8/25/05		Time: 14:00	
Shipment Method:			
Shipment Tracking No:			
Special Instructions: G0B6W-0006			

Custody Seals In Place (circle one) Temp Blank (circle one) F/C (circle one) F/C (circle one) Cooler Temperature on Receipt Trip Blank Trip Circle one